

Datasheet for ABIN708256

**anti-PFKFB2 antibody (AA 51-150) (Cy5.5)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | PFKFB2                                                                                                                         |
| Binding Specificity: | AA 51-150                                                                                                                      |
| Reactivity:          | Human, Mouse, Rat                                                                                                              |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This PFKFB2 antibody is conjugated to Cy5.5                                                                                    |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PFKFB2 |
| Isotype:              | IgG                                                        |
| Cross-Reactivity:     | Human, Mouse, Rat                                          |
| Predicted Reactivity: | Dog,Chicken                                                |
| Purification:         | Purified by Protein A.                                     |

## Target Details

|                   |                                            |
|-------------------|--------------------------------------------|
| Target:           | PFKFB2                                     |
| Alternative Name: | PFKFB2 ( <a href="#">PFKFB2 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: 6-phosphofructo 2 kinase/fructose 2,6-bisphosphatase 2, 6-bisphosphatase, 6-P2ase 2, 6-P2ASE heart-type isozyme, 6PF 2 K/Fru 2,6-P2ASE heart type isozyme, 6PF-2-K/Fru-2, F262_HUMAN, Fructose 2,6-bisphosphatase cardiac isozyme, Fructose-2, PFK 2/FBPase 2, PFK/FBPase 2, PFKFB cardiac, PFKFB2.</p> <p>Background: PFKFB2 is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. It has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. PFKFB2 regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. There are two named isoforms.</p> |
| Gene ID:    | 5208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pathways:   | <a href="#">PI3K-Akt Signaling</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.         |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |

## Handling

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Expiry Date: 12 months